

(19) World Intellectual Property Organisation
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number:
WO 2005/061708 A1

(51) International Patent Classification⁷: C12N 15/10,
C12Q 1/68

(21) International Application Number: PCT/EP2004/012819

(22) International Filing Date:
12 November 2004 (12.11.2004)

(25) Filing Language: German

(26) Publication Language: German

(30) Priority Data:
103 58 137.5 12 December 2003 (12.12.2003) DE

(71) Applicant (for all designated States except US): **MERCK PATENT GMBH** [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MICHELTSEN, Uwe** [DE/DE]; Am Drachenstein 17, 69469 Weinheim (DE). **HOLSCHUH, Karl** [DE/DE]; Weinberg Strasse 16, 64342 Seeheim-Jugenheim (DE). **SCHWÄMMLE, Achim** [DE/DE]; Holzstrasse 1, 64283 Darmstadt (DE).

(74) Common Representative: **MERCK PATENT GMBH**; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(81) Designated states (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated states (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND KIT FOR THE ISOLATION OF RNA

(57) Abstract: The present invention relates to a method and a kit for the isolation of RNA in the presence of DNA. The isolation is carried out by binding to a magnetite solid phase, where the binding buffer produces a concentration of guanidinium thiocyanate of > 2.5 mol/l, and a certain concentration of phosphate is present during the binding.

BEST AVAILABLE COPY